The Paper Manh 17th Snaugural Mesis. George Fleming Virginia.

Fratton At Thus

Mesis en Belanus

Induced by derivations, which I have mede or belower, and the different worder of breaking it, I have related it with a the desire, we which I that make the following never be, and conveners of their aprets, hurfully reduced them to despressions were thorough investigations.

This diverse may

mate its appearance in different climates and afflerent record of the year but it most beguntly appears in bot meether and warm climates. The whole human race who time their age we or species are also bables to it and by some author it has been mentioned a rose of the appearance without men or boys none or film our folly year of age. I denot wish to up from this that the inser is more frequent more to be from this that the inser is more frequent more than from this that the inser is more frequent among men thou among more were

bald think that it might be more ratisfactorely, accounted for by their being more frequently exported to such accidents as are calculated to produce the direct. The causes of this direare we well know to be various, Such as gan shot wounds, compound fractiones, lisious functures and various other injuries done to the body or it may be produced by exposure to cold after great excitement or or fotigue couring a suppression of perspiration it is also roid to be produced by irritating substances in the stomach and bowels, such as womer and it may likewise arise from rungical operations. The violence of this direase reports much upon its cause for if it arires from punctures arious or any injury done to the tody it is more fold, generally couring on about the eighth day, but in this there are many varieties for in some instances it does not appear for a much longer

Time, But if the direase proceeds from exposure to cold it then comes on much sooner This disease generally advances gradually but sometimes comes on suddenly to a most violent degree when the approach is gradual the patient is first taken with a sliffnessin the back of the next which gradually increases and renders the motion of the head in any direction poinful and difficult. As this stiffness of the neck increases there is an uneary renration at the root of the tongue with rowe deficulty of swallowing a great tightness is perceived about the chest with pain at the lower end of the stemum shooting backwards towards the spine. The muscles on the back of the nech are now much appealed with spann and full the head directly backwards, the nurses of the lower jaw also take ou this spannodic action and are violally affected. To this stoge of the irease willes have

given the name of locked jaw or trismus and with rome patients the spannosis affection extends no farther, but when the sineare advances the spassus become more general and affect the neuroles of the whole spine so as to lend the trunk of the body backwards, which writer call opisthotonos. During the whole course of the sironder the abdominal nurseles are violently affected with sparen, the belly is strongly elacted and feels very hard, the bowels are costive and both the flexorand exterior murcles of the lower extravities are simultaneously affected so as to keep the livels nigidly extended. The floor oud exturors of the head and trunk at length become so much affected as mutually to balance each others action and to keep the head and trunk so nigidly extended and itraight as to runder it incapable of motion in any sinection. The arms Which had been but little affected before are now likewise rigidly extended the tongue being also affected with sparme

is rometimes convulsively darted out of the mouth and is much injured by the leth and it is to this state of the direase that the term of telances has been strictly applied. The proposers new now much more frequently then they did before the slightest cause being sufficient to ling them on, The face also becomes affected the forehead is consugated the eyes are fixed in their rockets the courtenance is much distorted and expresses great distress and notwithstanding the great statement of the sparses which sometimes to have place in this disease they are apt to return with renovated force and will relief is procured; the patient inevitably perishes. We reldom find any inequelarity in the pulse exept during the sparm, when it is small and imegular and the respiration is affected in the same way during sparm but when it rubides the pulse and respiration herome quite negular and natural

The modes of treating this disease as recommended by different writers, are numerous and various, The practitioner first finds out the cause of the sireare, and if it proceed from a would or pureture, he earefully extracts any extransous body that may have lodged therein, he then dilater the wound freely, and pour rosething stimulating into it, such asthe Thebaic tirclure, or spirits of temperature. The different courties, are also frequently applied to the wound, and afterwards it is covered with a roft poultice, to produce ruppuration, and not unfrequently the wounded part is ampulated, Opium, Phelieve has been more exterrively used in this disease, than any other article of the materia medica, and frequently with the best effects, the practitioner not taking into consideration, the quantity weed, but the effect produced on the patient by its use, Some suppose, that joining it with camphor or

we also down landly withline to the viculial I blever I believe to formion continuis ly little

musk, increases its effect. The external application of it to the surface of the body is also recommended, by Thomas, as being weeful in this disease. The warm bath has also been weed, but Doctor Hillary in his writings, observes, that instantanious death has followed warm bothing in telames, and in Doctor Dorreys edition, of Coopers work on surgery we we a similar account, of the effects of warm bathing, and from allew we lam, that the warm bath has done harm, and even occasioned death. Bleeding has been employed, but reldone with any evident benefit. Doctor Burk mentions that he found it useful, in one care, which came under his care in the year 1794. Mercury has often been weed, but without any apparent benefit, and a late celebrated writer tells us that he has never reen it of the least remise,

in symptomatic blanes. Jonies, particularly the peruran bark and since, have been recommended b Doctor Rush, and in the New york medical Reportion for 1779, is mentioned a on of telanus, arizing from the punture of at fin in the wrist, which was weeffully treated by Doctor Hograck, with wine alone. Cold bathing, has also been employed, and is highly recommended. Doelor Cullin rays that it is a remedy, which in numerous triats, has been found to be of great unice in this disease. Cooper in his work on surgery recommendation one of the most effective modes, of treating this sine are. Doctor Thomas also tells wing that in all the instances of recovery from tetories, which had taken place under his care, the cold bath had been wed, and in combination with bark and wine, the cold both appears to stand, decidedly, preminent, in the dit of remedies, now

The way that in all the instance of

surplayed in telemen, and ar illustrative of their efficacy I will relate the following

In the latter end of july 1821, a man being employed; in cutting some outs, for the purpose of feeding his horses, cut his finger, just across the middle of the record bone ? and divided it entirely, except a mish portion of the integerments, on the inerride of it. The pendulous end of the finger was room replaced; but an ifl conditioned ulcer followed. Now as the remote and exeiting current this disease, oppear to all with more urtainty as well as violence where the agree of heat, excitement, and fatigue which the person might previously, have undergone was great, this appears to have been a care well callculated forthroduction, the weather being warm and the patient much foliqued by the labours of the day

linear reciple Incincent, have with

This wound did not unite by the first intention, but the bluding from it was copious, and after a day or two, it feet on a most un favourable aspect, Notruppursting, ling entirely day, and inservible to all the timelating applications, which were used to rouse its rewillibly. On the fifth day after the accidents in correquence of some fatigue which he underwent, he was taken with most of the symptoms of teterus, as a sliffings of the neck, difficulty of smallowing, pain about the region of the stomach, an inclination to lend foreword, sparms of the abdominal nureles, and thighs, pain shooting from the extremity of the sternum, backwards bowards the spine, with terrior and rigiditabout the thorax, and, when asleep, his slumber were intempted by frequents vartings, accompanied with subultur Lindinum, abstinate constitution also, of the lowels existed, which wassemoved

by gentle purgetives, and about the first of august the cold bath, bash and wine were freely wed, with opium to miligate the sparw. The who water was poused upon the patient from we height in one gradual but continued stream. He was then, wifed any, fut to hed, and the bark and wine administered freely. These means were repeated every two hours, and umetimes even more frequently when the wreumstances of the care demanded them; Mor was the free we of opium overlooked, in the reverity of the sparms, it was invariably found to allay frain, and miligate the suffering, of the patient; and though the atlacks would return, the benefit resulting from this course of treatment, was evident; for their recurrence was attended both with a survivuestion of force and frequency, and would again and again be as promptly removed by the use of the same means. Girding however, that the direase did not appear

wif it would be entirely eradicated by this course of treatment, the finger was amputated, on the supporition that the sure are would give way utirely to the above mose of treatment, after the exiting cause had been removed. The operation was performed just above the wounded parts and the stump put on a favourable appearance, suppurating kindly and room healed. During the whole course of the healing process the sire or continued, though in a milder form. In about a week after the operation, menung was revorted to, with the hope of foroducing phyalinu. The mild muriate was the proporation of mercung, first west, of which one grain was given three times per day. This mode of wring it, however, was found inadequate to produce the writed effect, and it was, then, given in much larger quantities, but with the same result, neither did it act upon the lowers. The mild muriste was there,

exchanged for the unquentum mercuriale fortiers, which was used in the way of priction whow the internal parts of the thigher, the groins, and also, in the axilla; till it produced such exerciation of the parts, to which it was applied; that a more extensive trial of it was thought inexpedient, and it was therefore, discontinued; and the corrorive muriale was substituted, This preparation was week extensively, but produced so great distress of the storrach, that it was abandoned as had been down with the other increwial preparations, The time taken up in the employment of the mereurial medicine, was about three or four weeks, without their action ever being apparent on the salivary glands; but the disease appeared les violent as well as les frequenties its nevereure. Mercurial funigations were mest resorted to, but the result was the same win the proceeding attempts.

The mercurials were now entirely abandoned; withey could not be so exhibited; as to produce their desired effect, and had been productive of no apparent benefit. The cold water, bark and wine, and also the opium as the ungerry of the case demanded it, were now used freely as they appeared to be the only means, by which the disense could be subdued, It was accordingly peristed in for a week or ten days, with the happy effect of an almost entire removal of every unplearant and morbid action. This plan of treatment, however, was continued for several days after an entire removal of all the symptoms of the disease, coasto eraxicate entirely the disposition to a recurrence. During there reveral days, he continued entirely free from all the symptoms of the direase, though romewhat costine from the quantity of opium, which he had used? The quantity of Peruvian bank employed in this case,

was nearly two pounds, with a proportionate quantity of wine, and the opium, when the sponse were revere, ever frequently given two or three grains at a time repeated according to the urgency of the symptoms; The sulphurie ethers was occarionally substituted for the opium, and apparently with some herefit, and the costine state of the body was earily servored; by the use of mild apperients, such as the sulphat of magneria or the sulphat of roda. Blirdiet suring this time, was light, and nutritive, and his appetite for food but alle, if at all impaired; at this time after an entire abrence of all the symptoms of the disease, for a week or ten days, being considered entirely well, the patient resumed his former occupations of labour, and was again taken with all the symptoms of telemers, which distorted the futures of the face in a most alfarming

manner; and were not unfrequently so violent; is to cause him to be entirely frautio. The cold both, in conjunction with the bark and wine, was immediately resorted to, and with the happiest effect. The first shower of the water urpelling most of the symptoms of the direase, and, where they continued after the patient was fut to hed, the exhibition of an opiate would generally remove them, but this internal was of short duration, as the attacks would receive in a fow hours. though each succeeding one was allended with much left violence than the one preceding it, and were as easily removed by verorting to the same means, as before, particularly the cold bathy followed up by the bank and wine. ather spirits were once or twice substituted for the wine, in consequence of the wine not living at hand, and they were sometimes weed to such an extent,

as to produce intoxication. Though the benefit resulting from the spirits in this care, was inferior to that resulting from the use of the wine, it was certainly entilled to a considerable portion of enedit. The patient however, being induced for some purpose to get out of bed; and walk acrof the room, was taken with violent sparms, particularly of the murcles of the head and neck, and the flexors and exteriors were so much affected; as to under the head immoves ble, in any direction, during their continuance. At the same line, his arms were rigidly extended, the buccinator and magnetur mureles were also affected with riolent sparmer, and his jour fast clinched. The cold water was instarely resorted to with the most astonishing herefit; for by its we the affection of the jour as well as many of the other emplearant symptomis, were dispensed, and the patients

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condition, when companed with what it had been but a few moments before was first to tranquility Severtheless, the sparms, continued to recur for rever or eight days, but in every instance being breated with the what affusions, in conjunction with the bask and wine, and occasionally an opiates as the symptoms demanded it, were as early nemoved as before, and gradually divirishing in force and frequency, they disappeared entirely in six or eight days, but left the fratient in avery delilitated condition, with a distreping suration about the stomach, accompanied with oruse of heat. This was thought to have been produced by the great quantity of steinelants, which he had taken in, and coverequently the further we of the lask and wine, was not thought expedient. It was therefore issortinued, but the cold latting was still practiced occarionally for ten or cliveways

longer, at the expiration of this time, he having heen entirely free from every symptoms of the divare, for more than a week; it was thought rafe to disnift him as cured; which was accordingly done. As before however resuming his former ourpations of labour, the disease again made its appearance, in the course of a week or two, when he was taken with most of the symptoms, which denote the approach of telanus. There gradually increasing, and being somewhat aggravated, from the exertion made by him to get to the house, soon became assistant as in any of the preceding attacks, The cold affections, used as above mentioned, were nevorted to the third time, and regularly followed up by the Cheral we of the bark and wine, with the occasional use of an opiate, and although the opium always appeared to have great

power, in alleviating the sufferings of the patients and mitigating the violence of the paroxysm, it can rearcely in this ise, he entitled to a much credit, as might be given to the cold affusious, or to the bank and wine, for the benefit resulting from the employment of there two latter means, was in every instance evident, as the most violent symptoms would be entirely removed, or greatly atteriated by them. Doctor Wright of Januarica gives are account of six cares wecesfully treated by affusions of cold water, Doctor Thomas Cochrane also gives an instance, in which the patient apured his jaws freely and was enabled to walk repright in a day or two after affurious of cold water were employed, As advocates, for this plan of treatment in telanus, reveral writer still

more celebrated than there last, have hem mentioned before In addition to what has been previously mentioned in favour of this mode of treatment, it was found in this third attack, to be equally as beneficial as in any of the foregoing. Finding, however, so great a disposition in the disease to reappear, upon the slightest occarious, after it appeared to be entirely removed; it was thought best to continue the same mode of treatment; though for a much longer line, than had been previously done, with a hope of eradicating the disposition, which appeared to lurk so obstinately in the system. Ellowing been continued on till all the symptoms had disappeared, yet fearing that perhaps the beatment might not be found adequate to the externation of the directes,

it was exchanged for the mercurialplan, with a hope of establishing a mercurial action in the place of the tetaries ones, which now existed, In this expectation, we were disappointed, for notwithstaning the extensive are of its various preparations, in many ways, it was found; as had been done on previous occasions, to make no apparent impression on the systems This being the care, it's employment was given over and we had now to toust rolely to the cold affurious, bark and wine, for the entire elimination of the disease from the system. The suployment of there remedies realized our most ranguine expectations, for the direase dirappeared upon the use of them, in every instance, and we had every reason to be lieve, that by a continuance of them, if it was of sufficient

suration, the direase might be entirely removed. Having heen so frequently foiled in previous attimpts to accomplish this object, their we was regularly maintained for reveral weeks, after every symptom had entirely disappeared. In addition, a perfect state of rest and tranquelity was trietly enjoined upon the patients even for a much longer time, as the we of the bark and wine, reproduced the distressing serve of heat in the stomach, of which the patient had before complained, they were discontinued; and the cold afficious persevered in for a much longer time, The patient was also prohibited from engaging in any permits, that might produce excitement or fatigues and in this condition of quietude, he was tapt for a mouth or two, during which time, the disease intirely whided. The patient was finally

dimifered as cured, and this obtinate and foundable direct was at latitudanced, no return of the symptoms having frew manifested ince.

After the full and accurate account, which I have given of the above care, and its frequent relapies, so of the removed by the rame means, are we not authorized to consider the plan of treatment, as highly calculated to proove succeptul in this survivey at least in our climate. In confirmation of this opinson, I will relate a second care, which together with the first, will more ratinfactorily demonstrate the propriety of the practice. On the first of September, 1822, astrong athlilie negro man, aged about six and twenty years, accidentally trod upon a shorp thom, which penetrated between the metatarral bones of the foot. The those was extracted soon

after the accident, but in a few down a most forwidable altack of tetaners, made its appearance, commencing with almost univeral spanne, with warrely any or hut few premonitory synaptores. The attacks being violent, and following in rapid succession, the sufferings of the patient because so great, that death appeared to be almost inevitable. In this critical condition, the shower bath was employed, and produced a more speedy and complete relief, from every sparmodic offection, than I had ever witnessed in any ringle instance of its employment. The first bucket full that was showered upon him, entirely dishipated every symptom of the disease, after which he was wiped perfectly drys, fut to bed, and a large dose of bash and wine were exhibited In this way the acception of the next paroxysm was much relarded,

the interest from one to the other hing grades than that believe any of the preceding percent of these means, wasterday with the same happy result the paragram till continued to setum during in the day but gradually diministring in force and opening they considered by aiministring in force and open try and by addition of the faction into deliberty were and top the patient into deliberty were unpredict.

Notwithstanding this about discontinuous of the treatment, the disease did not nappear, and the patient gradually recovering from his state of delity in a short time was netweed to his usual halks

That the rame news would attend this practice in womer climalis, as the Eastor spect bedies I am weather a port Jam bowered inclined to believe that its employment

in those countries might pour weful. On this sulf set, we find the testimony of authors to be at variance. Doctor Girdlestone of the East Indies informs us, that cold water, universally proved fatal in this direare. Doctor Bush, very satisfactorely accounts for this circumstance, from the delilitating effects of that warm climate, inducing such a state of the syslew, as vender it unable to react under the redative expects of cold water. May we not rearoughly correlate their, that the cold water, if used with caution, roas not to reduce the system below the faint of reaction, and gradually increasing it according to iereunstances, would he as wreful, in such a climate as our own; This opineon I am inclined to adopt.

Those withour might for some more and to support, no find the testing 309 Bulmt 1074 G Totamus 1825

